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	AA1	4,683	3,195	07/28/1987	Mullis et al.			02/07/1986	
AS	AB1	5,264	4,618	11/23/1993	Felgner et al.			04/16/1991	
	AC1	5,389	9,540	02/14/1995	Makoff et al.			11/27/1990	
	AD1	5,443	3,966	08/22/1995	Fairweather et al.			08/23/1993	
	AE1	5,459	9,127	10/17/1995	Felgner et al.			09/16/1993	
	AF1	5,57	1,694	11/05/1996	Makoff et al.			07/25/1994	
	AG1	5,580	0,859	12/03/1996	Felgner et al.			03/18/1994	
	AH1	5,59	1,631	01/07/1997	Leppla et al.			02/12/1993	
	Al1	<u> </u>	3,578	07/01/1997	Robinson et al.			01/27/1993	
V	AJ1		7,274	10/14/1997	Leppla et al.			06/25/1993	
AS	AK1	5,74	7,028	05/05/1998	Calderwood et al.	_		06/07/1995	
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AS	AL1	CA 2	,001,508	04/25/1990	Canada			Yes X No	
AS	AM1	EP 0	366 550 A1	05/02/1990	Europe	_		Yes X No Yes	
AS	AN1	wo	90/04637 A1	05/03/1990	WIPO			X No Yes	
AS	AO1	wo	94/18332 A2	08/18/1994	WIPO			No Yes	
AS	AP1	wo	94/19482 A1	09/01/1994	WIPO			No	
110			OTHER (In	ncluding Auth	or, Title, Date, Pertinent F	Pages, e	tc.)		
AS	AR	1	Agrawal, A toxin," <i>Natu</i>	., <i>et al</i> ., "Impai <i>ure 424</i> :329-33	rment of dendritic cells and 4, Nature Publishing Group	adaptive July 20	e immunity by ar 003)	ithrax lethal	
AS	AS	1	Aihara, H. and Miyazaki, J-I., "Gene transfer into muscle by electroporation in vivo," <i>Nat. Biotechnol. 16</i> :867-870, Nature America Publishing (1998)					vivo," <i>Nat.</i>	
AS	AT	1	Anderson, R., et al., "Immunization of mice with DNA encoding fragment C of tetanus toxin," Vaccine 15:827-829, Elsevier (1997)					toxin," Vaccine	
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AS	AA2		37,69		11/17/1998	German et al.			03/24/1995
	AB2	5,8	40,31	2	11/24/1998	Mock et al.			10/19/1994
	AC2	5,8	61,39	7	01/19/1999	Wheeler			10/03/1996
	AD2	5,9	94,31	7	11/30/1999	Wheeler			04/09/1996
	AE2	6,0	04,94	4	12/21/1999	Rothman et al.			10/02/1997
	AF2	6,0	22,87	4	· 02/08/2000	Wheeler			12/23/1998
	AG2	6,2	24,87	o	05/01/2001	Segal			01/15/1998
	AH2	6,2	67,96	6 B1	07/31/2001	Baillie			08/26/1997
	Al2	6,3	16,00	6 B1	11/13/2001	Worsham et al.			11/23/1994
	AJ2	6,3	87,66	55 B1	05/14/2002	Ivins et al.	-		03/07/2000
	AK2	6,3	379,96	66 B2	04/30/2002	Monahan et al.			11/29/1999
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AS	AL2		NUMBER WO 98/08952 A		05/05/1998	WIPO			Yes No
AS	AM			98/11914 A1		WIPO			Yes No
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AS	AO2				01/20/2000	WIPO			Yes No
AS	AP2				01/20/2000	WIPO			Yes No
	1/11/2			OTHER (I	ncluding Auth	or, Title, Date, Pertinen	t Pages, etc.	)	
AS	AR	André, S., et al., "Increased Immune Response Elicited by DNA Vaccination with a Synthetic gp120							
AS	AS	1	2	Darquet, AM., et al., "A new vehicle for nonviral gene delivery: supercoiled minicircle," Gen Ther. 4:1341-1349, Stockton Press (1997)					
AS	AT		2	Davis, H.L., et al., "Direct gene transfer in skeletal muscle: plasmid DNA-based immunization against the hepatitis B virus surface antigen," <i>Vaccine 12</i> :1503-1509, Elsevier Science (1994)					ization against
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	AB3	6,632	,436	10/14/2003	Segal			02/21/2001
	AC3	6,670	,332 B1	12/30/2003	Wheeler			06/05/1998
	AD3	6,696	,424 B1	02/24/2004	Wheeler			05/26/2000
	AE3	5,589	,466	12/31/1996	Felgner et al.			01/26/1995
	AF3	6,214	,804 B1	04/10/2001	Felgner et al.			06/07/1995
	AG3	5,703	,055	12/30/1997	Felgner et al.			01/26/1994
	АН3	6,710	,035 B2	03/23/2004	Felgner et al.			12/02/1999
	Al3	2001/	0031264 A1	10/18/2001	Segal			02/21/2001
$\overline{}$	AJ3	2002/	0019358 A1	02/14/2002	Manthorpe et al.			04/23/2001
AS	AK3	2002/0045594 A1		04/18/2002	Volkin et al.			09/12/2001
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AS	AL3	w	O 00/56282 A1	09/28/2000	WIPO			Ye:
AS	AMS	w	O 00/57917 A2	10/05/2000	WIPO			Ye: No
AS	AN3	w	O 01/19395 A1	03/22/2001	WIPO			Ye: X No
AS	AO3	w	O 01/34801 A2	05/17/2001	WIPO			Ye:
AS	AP3	w	O 01/45639 A2	06/28/2001	WIPO			Ye: No
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AS	AS	3	Donnelly, J.	J., <i>et al</i> ., "DNA	Vaccines," Annu. Rev. Im	nmunol. 15:617-64	8, Annual Revie	ws Inc. (1997)
AS	AT	3			teolytic Inactivation of MA rican Association for the A			al Factor,"
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AS	AA4	2002/00	048590 A1	04/25/2002	Klimpel et al.				05/09/2001
1	AB4	2002/00	051791 A1	05/02/2002	Galloway et al.				12/21/2000
	AC4	2002/00	081317 A1	06/27/2002	Mahan et al.				08/09/2001
	AD4	2002/0	102277 A1	08/01/2002	Sokol et al.				11/16/2001
	AE4	2002/0	142002 A1	10/03/2002	Galloway et al.				03/25/2002
	AF4	2002/0	165183 A1	11/07/2002	Herweijer et al.	<u> </u>			11/13/2001
	AG4	2002/0	197272 A1	12/26/2002	Galloway et al.				03/25/2002
	AH4	2003/00	003109 A1	01/02/2003	Galloway et al.				03/25/2002
	Al4	2004/0	157789 A1	08/12/2004	Geall				12/02/2003
$\neg$	AJ4	2004/0	023911 A1	02/05/2004	Felgner et al.				03/14/2003
AS	AK4	2003/0	032615 A1	02/13/2003	Felgner et al.				07/26/2002
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AS	AL4		02/00844 A2	01/03/2002	WIPO				Yes No
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	AM4	GB 2	2,370,772 A	07/10/2002	Great Britain				No Yes
1	AN4	اسما	04/024067 A2	03/25/2004	WIPO				No
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AS	AR	4	Felgner, P.I Natl. Acad.	L., et al., "Lipofed Sci. USA 84:741	ction: A highly efficient, 13-7417, National Acad	lipid-mediate lemy of Sciend	d DNA- ces (19	-transfection pro (87)	ocedure," <i>Proc</i> .
AS	AS	4	Gao, X. and Biochem. 3	d Huang, L., "Pot 5:1027-1036, An	tentiation of Cationic Lip nerican Chemical Socie	posome-Medi ety (1996)	ated G	ene Delivery by	Polycations,"
AS	AT	4	Gordon, V.I Furin and b Microbiolog	y Additional Cell	olytic Activation of Bact lular Proteases," <i>Infecti</i>	erial Toxins b ion & Immunit	y Euka y 63:82	ryotic Cells Is P 2-87, American	erformed by Society for
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	ATTY. DOCKET NO. 1530.0460002/EJH/JAH	APPLICATION NO. 10/658,688
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AS	AA5	2004/0	157244 A1	08/12/2004	Budahazi et el.			11/24/2003	
AS	AB5	2004/0	162256 A1	08/19/2004	Geall et al.			12/02/2003	
	AC5	2003/0	191082 A1	10/09/2003	Wheeler			03/19/2003	
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AS	AR	<u>5</u>	Comparison	Gramzinski, R.A., et al., "Immune Response to a Hepatitis B DNA Vaccine in Actus Monkeys: A Comparison of Vaccine Formulation, Route, and Method of Administration," Molec. Med. 4:109-118, The Picower Institute Press (1998)					
AS	AS	<u>5</u>	Gu, ML., et protective ar	Gu, ML., et al., "Protection against anthrax toxin by vaccination with a DNA plasmid encoding anthrax protective antigen," Vaccine 17:340-344, Elsevier Science Ltd. (1999)					
AS	АТ	<u>5</u>	Hammond, S.E. and Hanna, P.C., "Lethal Factor Active-Site Mutations Affect Catalytic Activity In Vitro," Infection & Immunity 66:2374-2378, American Society for Microbiology (1998)						
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AS	AR	<u>6</u>	Hartikka, . Muscle," <i>I</i>	J., et al., "An li Human Gene T	nproved Plasmid DNA Expi Ther. 7:1205-1217, Mary An	ression Vector for E in Liebert, Inc. (199	Direct Injection in 6)	nto Skeletal	
AS	AS	<u>6</u>	Depender	Hartikka, J., et al., "Electroporation-Facilitated Delivery of Plasmid DNA in Skeletal Muscle: Plasmid Dependence of Muscle Damage and Effect of Poloxamer 188," <i>Molec. Ther.</i> 4:407-415, The Americ Society of Gene Therepy (November 2001)					
AS	AT	<u>6</u>	Henderso at the Uni	n, D.W., "An A versity Press (	pparatus for the Study of A 1952)	irbome Infection," J	l. Hygiene 50:53	3-68, Cambridge	
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AS	AR	7	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)  Holste, D., et al., "Optimization of Coding Potentials Using Positional Dependence of Nucleotide Frequencies," J. Theor. Biol. 206:525-537, Academic Press (2000)						
AS	AS	7	Horn, N.A., et al., "Cancer Gene Therapy Using Plasmid DNA: Purification of DNA for Human Clinical Trials," Human Gene Ther. 6:565-573, Mary Ann Leibert, Inc., Publishers (1995)						
AS	АТ	7	Ivins, B.E. Vaccine,"	and Welkos, \$ Eur. J. Epiden	S.L., "Recent Advances in niol. 4:12-19, Kluwer Acade	the Development of emic Publishers (19	an Improved H 88)	uman Anthrax	
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AS	AR	8	Ivins, B., et	Ivins, B., et al., "Experimental anthrax vaccines: efficacy of adjuvants combined with protective antigen against an aerosol <i>Bacillus anthracis</i> spore challenge in guinea pigs," <i>Vaccine 13</i> :1779-1784, Elsevier Science Ltd. (1995)					
AS	AS	8	sequence s	Klimpel, K.R., et al., "Anthrax toxin protective antigen is activated by a cell surface protease with the sequence specificity and catalytic properties of furin," Proc. Natl. Acad. Sci. USA 89:10277-10281, National Academy of Sciences (1992)					
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AS	AS	9	Leppla, S.H., "Anthrax toxin edema factor: A bacterial adenylate cyclase that increases cyclic AMP concentrations in eukaryotic cells," <i>Proc. Natl. Acad. Sci. USA</i> 79:3162-3266, National Academy of Sciences (1982)						
AS	AT	9	Leppla, S.H., "Production and Purification of Anthrax Toxin," <i>Meth. Enzymol.</i> 165:103-116, Academic Press, Inc. (1988)						
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ATTY. DOCKET NO. 1530.0460002/EJH/JAH	APPLICATION NO. 10/658,688
FIRST NAMED INVENTOR Hermanson, G.G.	
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# Page 25 of 28 ATTY, DOCKET NO. 10/658,688 FORM PTO-1449 FIRST NAMED INVENTOR Hermanson, G.G. FILING DATE September 10, 2003 1632

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	ATTY. DOCKET NO. 1530.0460002/EJH/JAH	APPLICATION NO. 10/658,688
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INFORMATION DISCLOSURE STATEMENT	FILING DATE	ART UNIT
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		Page 28 of 28
	ATTY. DOCKET NO. 1530.0460002/EJH/JAH	APPLICATION NO. 10/658,688
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	Hermanson, G.G.	
INFORMATION DISCLOSURE STATEMENT	FILING DATE	ART UNIT
	September 10, 2003	1632

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Complete if Known					
Application Number	10/658,688				
Filing Date	September 10, 2003				
First Named Inventor	Gary Hermanson				
Art Unit	1645				
Examiner Name	Baskar, P.				
Attorney Docket Number	1530.0460002/EJH/J-H				

U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2 (IrKnown)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document					
. AS	USI	6,875,748 B2	04/05/2005	Manthorpe et al.					
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AS	NPLI	Okinaka, R.T., et al., "Sequence and Organization of pXO1, the Large Bacillus anthracis Plasmid Harboring the Anthrax Toxin Genes," J. Bacteriol. 181:6509-6515, American Society for Microbiology (1999)				
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